

Herculaneum Lead Monitoring Results (October-December 2004)

October 2004	Dunklin H.S. #1	Dunklin H.S. #2	Bluff	Main Street	Broad Street	Thurwell Street #1
1				1.606	1.295	
2				.395	.373	
3	.173	.184	.659	.858	.608	.117
4				.040	.049	
5				.126	.668	
6	.402	.392	.163	2.506	5.835	.773
7				8.083	4.216	
8				.168	.137	
9	.087	.114	.084	.164	.838	.041
10				.266	4.098	
11				.372	5.673	
12	0	0	0	0	.169	0
13				0	.042	
14				0	0	
15	0	0	.034	0	.057	0
16				0	.042	
17				6.923	10.543	
18	.136	.183	.038	2.665	4.195	.807
19				0	.071	
20				.053	.067	
21	.161	.150	0	5.049	3.571	.743
22				4.545	1.717	
23				.578	.159	
24	.133	.133	.104	1.120	2.555	.346
25				5.005	2.779	
26				2.759	2.118	
27	.041	.041	0	.223	NS	.032
28				2.043	1.633	
29				.188	.080	
30	0	0	.057	.031	.035	0
31				.954	.613	
October Average	.113	.120	.114	1.507	1.808	.286

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November 2004	Dunklin H.S. #1	Dunklin H.S. #2	Bluff	Main Street	Broad Street	Thurwell Street #1
1				.746	.125	
2	0	0	0	.057	0	0
3				.134	.972	
4				0	0	
5	NS	NS	NS	0	0	0
6				.053	.052	
7				0	0	
8	NS	NS	NS	.069	.678	.032
9				1.243	.946	
10				3.51	.743	
11	.056	.073	.058	.975	.162	.203
12				0	.048	
13				.095	.658	
14	0	0	0	4.391	5.059	.424
15				6.456	4.012	
16				5.021	1.563	
17	.294	.322	.145	1.917	1.699	.690
18				6.756	NS	
19				.586	.159	
20	0	0	.067	.039	0	0
21				.361	2.842	
22				6.994	2.865	
23	.693	.587	.053	1.719	8.056	.154
24				.057	.101	
25				.116	.04	
26	.829	.835	1.189	1.2	1.212	.113
27				.282	.14	
28				7.443	2.29	
29	.03	0	0	6.622	2.76	.781
30				0.045	0	
November Average	.238	.227	.189	1.896	1.282	.240

December 2004	Dunklin H.S. #1	Dunklin H.S. #2	Bluff	Main Street	Broad Street	Thurwell Street #1
1				0.07	0.206	
2	0	0	0.054	0	0.028	0
3				0.375	0.074	
4				0.071	0.067	
5	0.254	0.251	0.306	2.044	0.606	0.41
6				1.546	1.016	
7				0.384	0.089	
8	0.399	0.381	0.114	3.76	1.781	0.829
9				1.725	0.556	
10				0	0	
11	0.084	0.127	0.077	0	0	0
12				0.036	0	
13				0	0	
14	0	0	0.063	0	0	0
15				0.397	0.637	
16				0.047	0.132	
17	0.297	0.296	0.22	2.743	1.362	0.418
18				0	0	
19				0.42	0.665	
20	2.213	1.875	2.425	2.308	1.862	NS
21				0.03	0	
22				0	0.033	
23	0	0	0.052	0.029	0	NS
24				2.708	1.74	
25				2.072	2.755	
26	0.068	0.075	0.117	0.134	1.026	1.17
27				4.799	3.834	
28				1.165	0.858	
29	0.302	0.277	0.332	2.717	2.005	0.118
30				1.991	NS	
31				0.525	0.517	
December Average	0.359	0.328	0.376	1.032	0.728	0.368
4th Quarter Average	0.238	0.225	.229	1.475	1.264	0.293

*** National Ambient Air Quality Standards (NAAQS)**

1. **Lead (Pb) Standard-** 1.5 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) based on a quarterly (3-month) averaging time with a minimum of 15 samples taken. Samples are collected for a 24-hour period every sixth day. Note- the department conducts Lead monitoring at the Herculaneum sites on a more frequent interval (i.e. daily at the Broad Street and Main Street (city hall) monitors).
2. **Sulfur Dioxide (SO_2)-** 0.14 parts per million (ppm) for a 24-hour averaging time, 0.03 ppm for a 1 year averaging time
3. **Rolling three-month average Lead (Pb) values** are for informational purposes only. The lead standard is not set up on rolling three month averages, a set quarter system must be used as per the NAAQs monitoring methods. (i.e. January- March, April-June, July-September and October- December) Refer to the Quarterly Averages for the values used to determine compliance with the NAAQS limits.
4. **Sulfur Dioxide (SO_2) monitoring results** are down loaded quarterly. Validation of the sample results is conducted after a full quarter of data has been collected.